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# **The Greening the Capitol Initiative: LBNL's role**

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# Greening the Capitol: Initiative timeline

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- March 1 - Speaker Pelosi's letter
- March 15 - LBNL hired
- April 19 - Preliminary report delivered
- June 21 - Final report accepted

# What is “the Capitol”?

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# The National Mall



# Legislative branch buildings



# Congressional office buildings



# House office buildings



# The Capitol Power Plant



# What is “Green”?

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# Three goals

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- Carbon neutral operations
- Energy efficient facilities
- Sustainable business practices

# Three goals

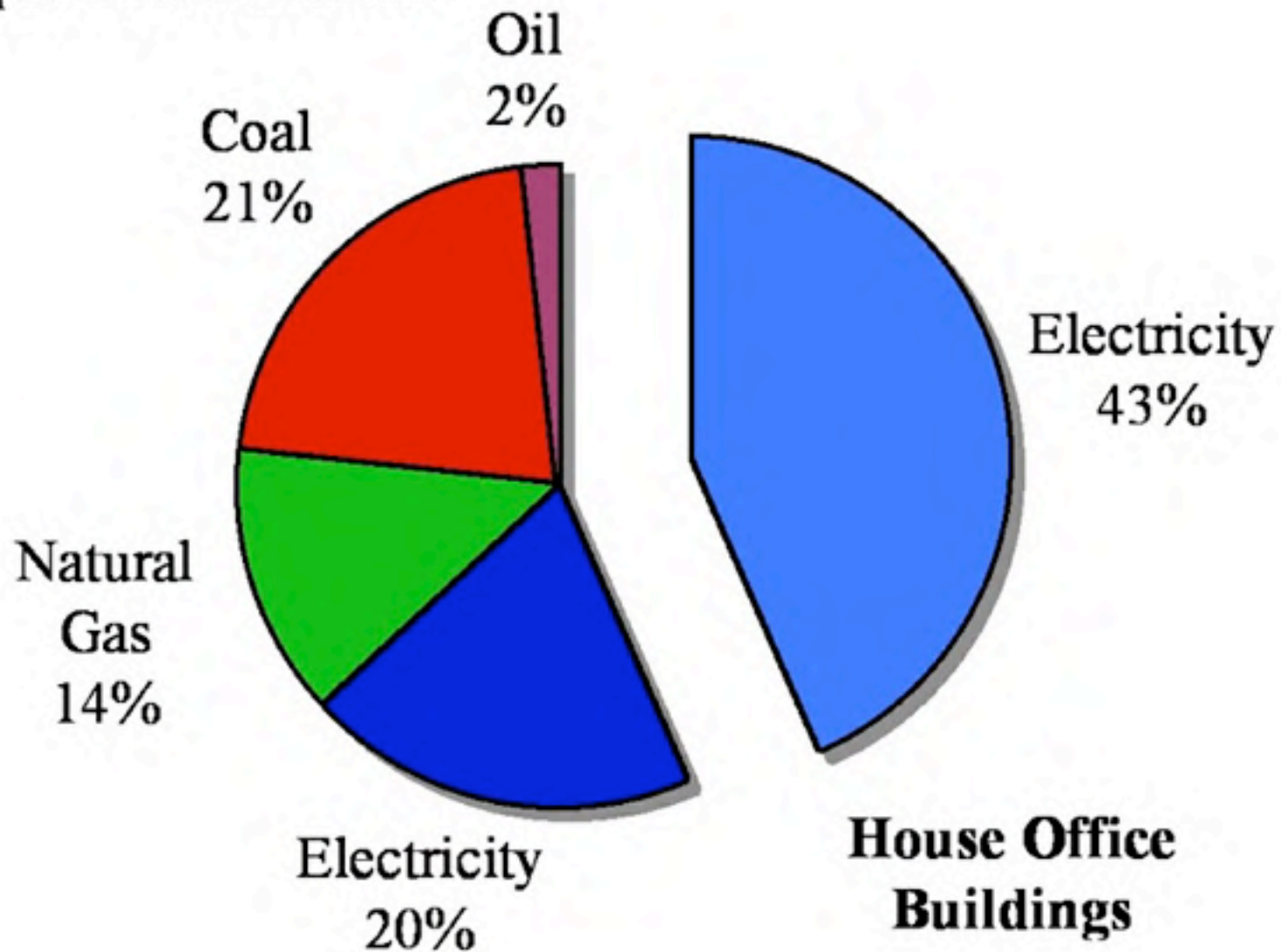
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- Carbon neutral operations
- Energy efficient facilities
- Sustainable business practices

# CO<sub>2</sub> emissions

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## Capitol Power Plant



# Recommendations for carbon neutrality

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- Purchase carbon-neutral electricity
- Use only natural gas at Capitol Power Plant
- Purchase carbon offsets for natural gas use

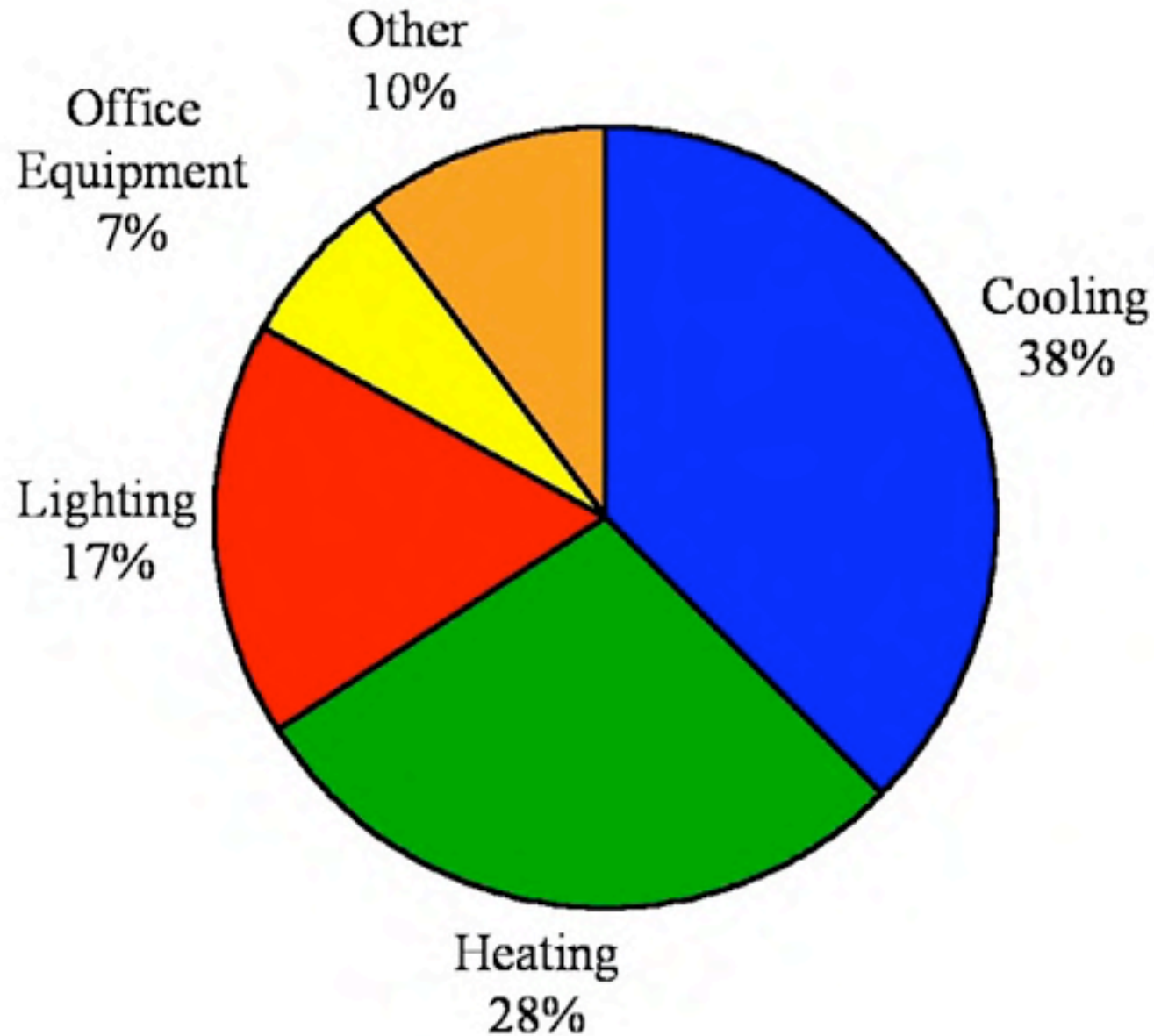
# Three goals

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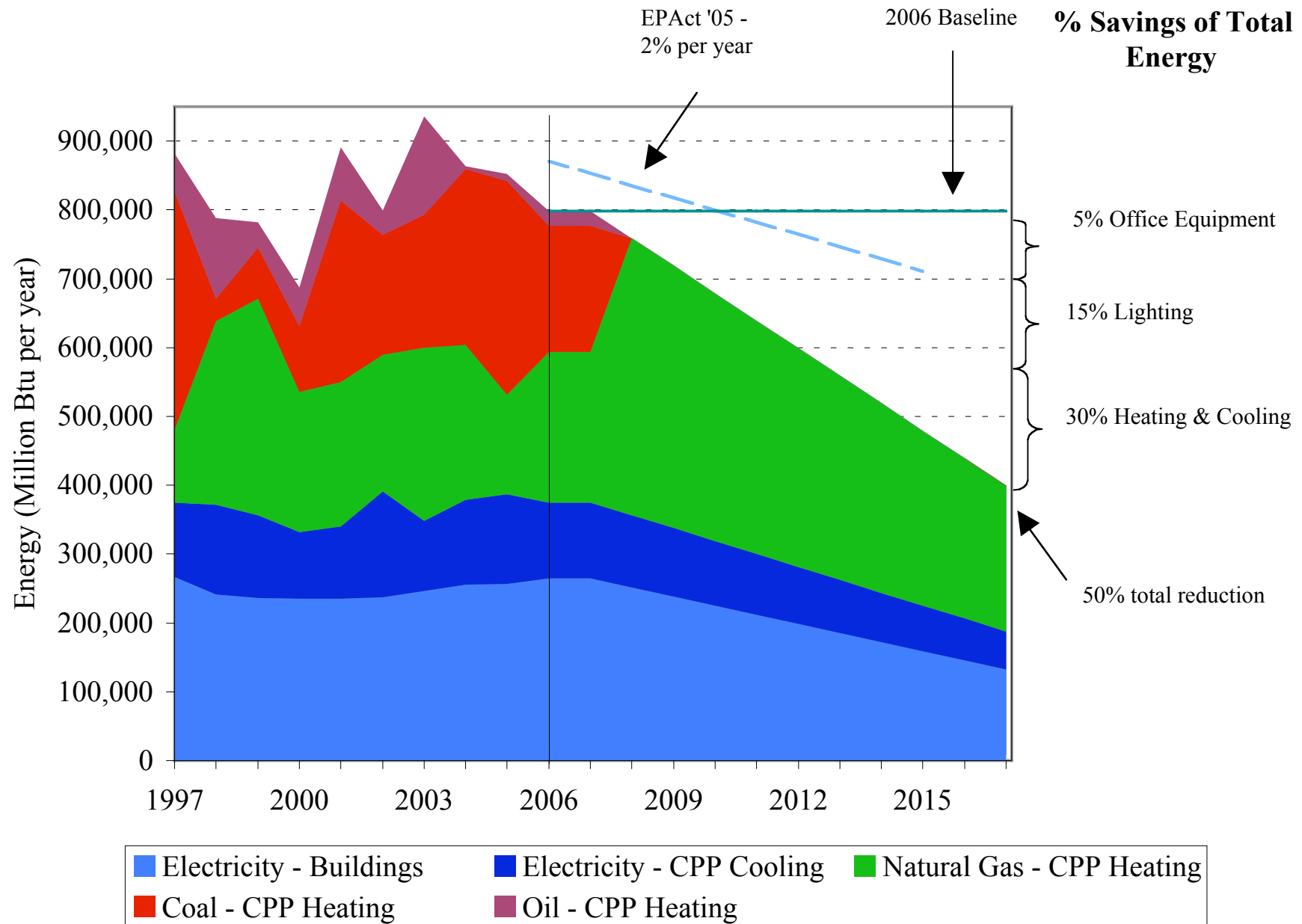
- Carbon neutral operations
- **Energy efficient facilities**
- Sustainable business practices

# House building electricity consumption

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# Energy efficiency goals



# Recommendations for energy efficiency

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- House building efficiency improvements
- Capitol Power Plant steam distribution
- Capitol Power Plant chiller distribution

# Three goals

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- Carbon neutral operations
- Energy efficient facilities
- Sustainable business practices

# Sustainable business practices

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- Develop a sustainability plan
- Education and outreach
- Measurement, evaluation, and reporting

# Components of sustainability plan

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- Water conservation
- Landscape management
- Improved transit options
- Sustainable food services
- Reduced environmental impact of materials

# What's next?

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- Implement the plan
- Identify specific efficiency opportunities
- Establish communication network